

## METHOD OF DETERMINING THE MASS UNBALANCE OF AN ACUTATOR

### ABSTRACT OF THE DISCLOSURE

The present invention is a method of determining mass unbalance of an  
5 actuator mechanism in a system. The method includes calculating a center of gravity  
in first x and y components with respect to a first coordinate system of the actuator  
mechanism. The method also includes calculating the center of gravity in second x  
and y components with respect to a second coordinate system of the actuator  
mechanism. The total mass unbalance of the actuator mechanism is then calculated.